

Wahweap Sandstone¹

Upper Cretaceous: Central southern Utah.

Original reference: H. E. Gregory and R. C. Moore, 1931, U.S. Geol. Survey Prof. Paper 164.

H. E. Gregory, 1950, U.S. Geol. Survey Prof. Paper 200, p. 51 (table), 107-109, pls. 2, 4, 5. Described in Zion Park region where it overlies Straight Cliffs sandstone and underlies Kaiparowits formation. Most common beds of Wahweap are sandstones 5 to 10 feet thick, irregularly laminated and lenticularly stratified with highly arenaceous shale; some beds of considerable length are thick, uniformly massive, cross-bedded, and consist of coarse and fine rounded grains of quartz; others combine to make series of thin evenly or roughly stratified beds; many sandstones change along strike from solid beds of uniform composition and texture to beds that include shale-like and iron concretions and into series of platy beds of various dimensions. Absence of continuous guide beds and scarcity of fossils in Wahweap and upper Straight Cliffs make it impracticable to draw definite division line between the two formations. Thickness of the two formations 600 to 1,200 feet.

Upper part of Wahweap Creek, Kane County, is cut in the formation.

Wahweap sandstone.

Upper Cretaceous: Central southern Utah (Kaiparowits Plateau region).

H. E. Gregory and R. C. Moore, 1931 (U. S. G. S. P. P. 164). *Wahweap ss.*—A series of buff sandy sh. and massive sss., conformably overlying Straight Cliffs ss. and underlying Kaiparowits fm. Thickness 200 to 1,300 ft. Characterized by topog. expression, the absence, so far as observed, of coal beds, and the scarcity of fossils. Upper part of Wahweap Creek, Kane Co., is cut in the fm.

Wahweap Ss.

1962

Stokes, W. L., and Madsen, J. H., Jr., Northwest
quarter - Geologic map of Utah, (scale 1:250,000):
Utah State Land Board
col. 3

Up. Cret.

Utah

Wahweap Ss.

1962

Averitt, P., Geology and coal resources of the
Cedar Mountain quadrangle, Iron County, Utah:
USGS Prof. Paper 389, Plate 1, Table 1.

p. 28

(200)
qB

Upper Cret.

Iron Co.
SW Utah

Wahweap ss.

1961

*Cashion, W. B., Geology and fuel resources of the Orderville-Glendale area, Kane County, Utah: USGS Coal Investigations Map C-49. (2 columns of text)

Upper Cretaceous

SW Utah

Wahweap Ss.

1963

Stokes, W. L., Geologic map of northwestern Utah:
Project of College of Mines and Mineral Industries,
Univ. of Utah. (1:250,000)

Legend for western half of state

Upper Cretaceous

NW Utah

Wahweap Ss.

[1963]

Stokes, W. L., and Madsen, J. H., Jr., Geologic map of Utah, northeast quarter: Utah State Land Board, Project of College of Mines and Mineral Industries, Univ. of Utah (1:250,000)

Legend for eastern half of state. Date of publication in question. Apparently issued twice.

Up. Cret.

NE Utah

Wahweap Fm.

1963

Threet, R. L., Geology of the Parowan Gap area,
Iron County, Utah: Intermountain Assoc. Pet.
Geol. Guidebook, 12th Ann. Field Conf.

p. 136-145

203(273)
qIn8f

See Iron Springs Fm.

Cretaceous

SW Utah

Wahweap Ss.

1963

Hintze, L. F., Geologic map of southwestern Utah
(Scale 1:250,000): in pocket of Intermountain
Assoc. Pet. Geologists Guidebook, 12th Ann. Field
Conf. (on map - A project of Dept. Geol., Brigham
Young Univ.):

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SW Utah

Up. Cret.

Wahweap Ss.

1963

Threet, R. L., Structure of the Colorado Plateau
margin near Cedar City, Utah: Intermountain Assoc.
Pet. Geol. Guidebook, 12th Field Conf.

p. 104-109

203(273)
qIn8f

Cret.

Utah

Wahweap Ss.

1964

Goode, H. D., Reconnaissance of water resources of
a part of western Kane County, Utah: Utah Geol. &
Min Res., Water Res. Bull. 5 (273)

Wrb

Table 1 (p. 18), Fig. 3 (in pocket), p. 11
Limited description.

Up. Cret.

So. Utah

Wahweap Ss.

1963

Van de Graff, F. R., Upper Cretaceous stratigraphy
of southwestern Utah: Intermountain Assoc. Pet.
Geol. Guidebook, 12th Ann. Field Conf.

p. 65-70, Fig. 2

203(273)
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Upper Cretaceous

SW Utah

Wahweap ss.

1964

Hintze, L. F., and Stokes, W. L., Geologic map of southeastern Utah (1:250,000): Utah State Land Board.

Up. Cret.

SE Utah

Wahweap Fm.

1965

*Peterson, Fred and Waldrop, H. A., Jurassic and Cretaceous Stratigraphy of South-Central Kaiparowits Plateau, Utah: in Utah. Geol. Soc. and Intermountain Assoc. Petroleum Geol., Guidebook No. 19, Geology and Resources of South-Central Utah.

P. 61 (Fig. 3)-66

203(273)
utl2g

U. Cret.

NC. Ariz. - SC. Utah

Wahweap Ss (1350')

1966

Robison, R. A., Geology and coal resources of the Tropic Area, Garfield County, Utah: UT Geol & Mineral Survey, Sp. Stud. 18. (273)

p. 1-47

qSs

8(T.1)..exposed fms in Tropic Area
25-27

under: Kaiparowits Fm (U.Cret)

over: Straight Cliffs Ss (U.Cret)

U.Cret

sc.UT

Wahweap Sandstone

1966

*Feltis, R. D., Water from Bedrock in the Colorado Plateau of Utah:

Utah. State Engineer's Office, Tech. Pub. 15.

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Cretaceous

Utah

Wahweap Ss.

1967

Cashion, W. B., Geologic Map of the South Flank of
the Markagunt Plateau, Northwest Kane County, Utah:
USGS Misc. Inv. Map I-494.

U. Cret.

SW: Utah

Wahweap Fm.

1967

Waldrop, H. A. and Sutton, R. L., Preliminary
Geologic Map and Coal Deposits of the Northwest
Quarter of the Nipple Butte Quadrangle, Kane County,
Utah: Utah. Geol. & Mineral. Survey, Map 24-A.

U. Cret.

SC. Utah

Wahweap Fm.

1967

Waldrop, H. A. and Sutton, R. L., Preliminary
Geologic Map and Coal Deposits of the Northeast
Quarter of the Nipple Butte Quadrangle, Kane
County, Utah: Utah. Geol. & Mineral. Survey,
Map 24-B.

U. Cret.

SC. Utah

Wahweap Ss.

1967

Doelling, H. H., Kaiparowits Plateau, Garfield
County, Utah: Escalante-Upper Valley Coal Area:
Utah. Geol. and Mineralog. Survey, Spec. Studies,
No. 20, Jan. p. 5

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U. Cret.

SC Utah

Wahweap Fm.

1969

Peterson, Fred, Four New Members of the Upper
Cretaceous Straight Cliffs Formation in the
Southeastern Kaiparowits Region, Kane County,
Utah: USGS Bull. 1274-J.

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U. Cret.

SC. Utah

Wahweap Ss.

1969

Lohrengel, C. F. II., Palynology of the Kaiparowits
Formation, Garfield County, Utah: in Geology
Studies, Brigham Young Univ., v. 16, pt. 3, Dec.
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B76rs

[Cret.]

CS Utah

Wahweap Ss

1971

McFall, C.C. and Peterson, P.R., Geology of the
Escalante-Boulder Area, Garfield County, Utah:
UT Geol. and Mineral. Survey, Map 31.

yel-gray ss w/gray sh

under: Kaiparowits Fm (U Cret)

over: Straight Cliffs Ss (U Cret)

U Cret

sc. UT

Wahweap Ss.

1971

Orlansky, Ralph, Palynology of the Upper Cretaceous
Straight Cliffs Sandstone, Garfield County,
Utah: Utah Geol. & Mineral. Survey, Bull. 89, Mar.
p. 1-57 (273)
2(Fig.1) B

U. Cret.
Santonian

SC. Utah

Wahweap Fm. (1150-1200')

1973

Bowers, W. E., Geologic Map and Coal Resources of
the Upper Valley Quadrangle, Garfield County, Utah:
USGS Coal Inv. Map C-60 (2 sheets).

SS.

U. Cret.

SC. UT

Wahweap Fm (up to 1620')

1975

Doelling, H. H., Geology and Mineral Resources of
Garfield County, Utah: UT Geol & Mineral Survey B 107.
p 1-175, pl 1 in pocket (273)

17 (F 10)

B

49

gray & yellow-gray mudst, clayst, sts, ss, cgl

Cret

sc. UT

Wahweap Ss [assigned]
(Iron Springs Fm)

1980

Hintze, Lehi H. (compiler), Geologic Map of Utah:
UT Geological & Mineral Survey, scale 1:500,000.
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Cret

UT